



Pneumatic equipment

# Read this before use for safe operation.

Always read this before use.

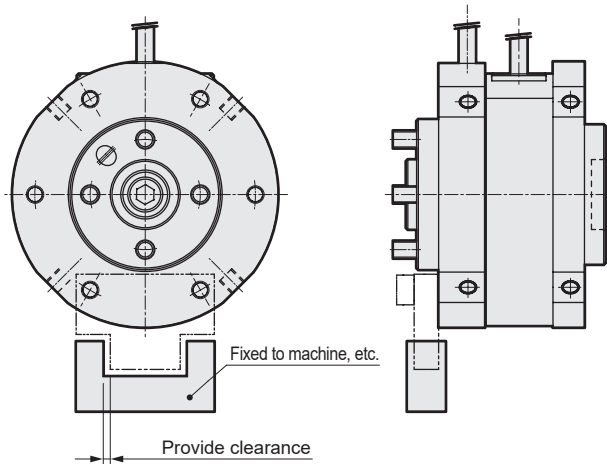
For general cylinders and cylinder switches, refer to Pneumatic Cylinder ⑤ (Catalog No. RJ-006AA).

Individual precautions : Robot rotary RJAC series

## Design / Selection

### Caution

- The connection between RJAC and anti-rotation must always be in a Floating state. Fixing it may cause excessive load on the rotating shaft, leading to damage or air leakage. Note, the anti-rotation mechanism must be prepared by the customer. The figure below shows a design example. Please design an anti-rotation mechanism suitable for your equipment.



- The minimum bending radius of the cable is as follows.
  - RJAC-01 : 27 mm
  - RJAC-05 : 29 mm
  - RJAC-07 : 35 mm
  - RJAC-25 : 35 mm
- Caution regarding product temperature rise. Continuous rotation heat, applied fluid, or electrical current may raise product temperature above 60 °C, increasing damage risk. Always verify on actual equipment and implement speed reduction or intervals if needed.

- Maximum load refers to the limit where physical

Item	RJAC-01	RJAC-05	RJAC-07	RJAC-25
Max. load moment N·m	2	12.9	15	28
Max. load torque N·m	4.4	9.5	22	32

damage doesn't occur under static load (not a guarantee of maintained accuracy). Even within maximum load, torque may cause play. Always use within allowable torque. Consider sufficient safety factors if impacts may occur.

- Fixed-side joints should be sized below the values in the following table to avoid interference with rotating parts.

Model No.	Hexagon width across flats
RJAC-01 to 07	8mm
RJAC-25	10mm

- Operating environment

- In machining, casting, and welding facilities, cutting fluid, chips, dust, or other foreign matter may enter. Use covers to prevent these as much as possible. Also, do not use in the following environments
  - Exposed to cutting fluid (abrasives or grinding debris in the fluid may wear sliding parts)
  - Atmosphere contains organic solvents, chemicals, acids, alkalis, kerosene, etc.
  - Exposed to water
- Do not disassemble or modify the unit.

For installation/setup/adjustment, operation, and maintenance precautions, visit the CKD equipment product site (<https://www.ckd.co.jp/kiki/en/>) → "Model No." → **Instruction Manual.**